

Title (en)
HIGH PRESSURE FRACTURE TESTER

Title (de)
HOCHDRUCKFRAKTURMESSGERÄT

Title (fr)
MACHINE D'ESSAI DE RUPTURE HAUTE PRESSION

Publication
EP 2142760 A4 20140702 (EN)

Application
EP 08799665 A 20080326

Priority

- US 2008058253 W 20080326
- US 90809707 P 20070326
- US 5078508 A 20080318

Abstract (en)
[origin: WO2008118953A1] A system, for testing a drilling fluid including a vessel having a fluid inlet, a filtrate outlet, a fluid outlet, and at least one permeable media disposed within the vessel. The system further including a base fluid container in fluid communication with the fluid inlet, a test fluid container in fluid communication with the fluid inlet, a filtrate container in fluid communication with the filtrate outlet, and a collection container in fluid communication with the fluid outlet. Additionally, the system includes a data acquisition device configured to receive data from at least one of the vessel, the fluid container, the filtrate container, and the collection container. Also, a method for determining sealing characteristics of a drilling fluid including injecting a test fluid having a fluid loss control material from at least fluid container to a vessel, the vessel having a permeable media having two plates disposed to create a variable gap. The methods further including measuring a fracture tip fluid loss through the variable gap and measuring a matrix fluid loss through the permeable media.

IPC 8 full level
E21B 44/00 (2006.01); **E21B 45/00** (2006.01); **G01N 15/08** (2006.01); **G01N 33/28** (2006.01)

CPC (source: EP US)
G01N 15/08 (2013.01 - EP US); **G01N 33/2823** (2013.01 - EP US)

Citation (search report)

- [XA] US 6055874 A 20000502 - ONAN DAVID D [US], et al
- [A] US 3876006 A 19750408 - MESSENGER JOSEPH U
- [A] US 3323593 A 19670606 - FOSHEE WILLIAM C, et al
- [A] US 3316965 A 19670502 - WATANABE DAVID J
- [A] US 6269684 B1 20010807 - MAKI JR VOLDI E [US], et al
- See references of WO 2008118953A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
US 2008058253 W 20080326; AR P080101231 A 20080326; EP 08799665 A 20080326; US 201113015669 A 20110128; US 201313902421 A 20130524; US 5078508 A 20080318